

# Monarch® 9855®HF High Frequency RFID Printer/ Encoder

**Monarch®**  
Products and Services

## High Frequency RFID

Track and move merchandise quickly through your supply chain using many of the most popular HF (13.56MHz) RFID protocols embedded in thermal direct or thermal transfer bar code labels and tags.

### The Perfect Fit

The Monarch 9855HF printer/encoder is the perfect fit for some of the most challenging RFID applications in the retail supply chain, including:

- Item Level Retail
- Pharmaceutical Tracking
- Asset Tracking
- WIP Tracking
- Library Tracking
- Authentication

### Reliable RFID

With the Monarch 9855HF printer/encoder, you'll experience the highest yield performance in the industry. This printer/encoder tests, writes and verifies the RFID chip and gives you complete verification of RFID data.



It overstrikes bad labels to alert you right away if the RFID data cannot be encoded.

### Integrated RFID

No RFID printer/encoder is an island. That's why Avery Dennison has partnered with a wide variety of RFID software providers, reader manufacturers, and others. We can provide a complete solution.

### Flexible RFID

The Monarch® Smart Relay™ System automatically manages your mixed environments of RFID and non-RFID labeling to improve productivity and reduce waste when printing both RFID and non-RFID labels within the same application.

# Monarch® 9855®HF™

## High Frequency RFID Printer/Encoder

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### Versatile RFID

The Monarch 9855HF printer/encoder supports a range of HF protocols including ISO 15693-2, -3, TI Tag-IT, NXP I-Code and ISO-18000-3 and is compatible with a full range of inlays to complement your specific application, including inlays from:

- Rafsec
- TAGSYS
- TI
- More!



We won't approve an inlay until it meets Avery Dennison's exacting yield standards!

### Compliant RFID

The Monarch 9855HF printer meets OSHA requirements for use in a workplace and is FCC certified, RoHS compliant and certified for use in over 40 countries. In addition, Avery Dennison's printer and supply manufacturing processes are ISO-9001 certified.

### Connected RFID

Our innovative Dual Wireless 802.11b/g/Wired Ethernet network interface card option allows you to run your printers on a wireless network, with



the ability to change to a wired connection. Automatically switch from wireless to the wired ethernet port while retaining the IP address and without losing the session, enhancing your productivity.

## Features and Specs at a Glance

- Encodes HF Chips
- Prints Bar Code Data
- Prints Tags or Labels
- Thermal Direct or Transfer
- Knife Option
- Prints up to 12 ips
- Optional 300 dpi Printing
- Dual Wired/Wireless Ethernet Available

XML-enabled printers are currently unavailable.

**Dimensions:** Height – 13.0" (330 mm); Width – 12.5" (318 mm); Depth – 17.3" (439 mm)  
Weight – 29 lbs. (13.2 kg)

**Printing Method:** Thermal Direct and Thermal Transfer

**Printhead:** 4.0" (102 mm/812 dots); 203 dots/inch (8 dots/mm) OR 300 dots/inch (11.8 dots/mm). Both printheads provide enhanced print quality

**Operator Interface:** 32-Bit 150 MHz Processor

**RFID Protocols:** ISO 15693-2,-3; ISO 18000-3; TI Tag-It 15693; NXP I-Code; TagSys C270, C370

**Memory:** 4MB Flash, 16 MB SDRAM Optional 16MB; Configurable 8 MB RAM using these buffers: Transmit, Receive, Image, Format,

Downloadable & Scalable Fonts

**Bar Code Types:** UPCA +2/+5, UPCE +2/+5, EAN8 +2/+5, EAN13 +2/+5, Interleaved 2 of 5, Extended Code 39, Codabar (NW7), Code 128, Code 93, MSI, PDF417, Postnet, MaxiCode, Code 16K, Quick Response (QR Code); Aztec

**Standard Fonts:** Bitmap- Standard, Reduced, Bold, OCRA-like, CG Triumvirate, and CG Triumvirate Bold TrueType® - EFF Swiss Bold Supports downloaded double-byte (TrueType and bitmap) fonts, allowing for Chinese, Japanese, and Korean character sets

**Font Magnification:** 1x to 7x 4 to 250 pt. for scalable/TrueType fonts

**Monarch® Service:** Every Monarch printer is fully supported by Monarch Service, the largest network of experienced, full-time bar code and RFID technicians in the industry.

### Avery Dennison® Printer Systems Division

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